

ABSTRACT OF THE DISCLOSURE

The combustion vibration estimating apparatus comprises an inputting unit for inputting limiting values of plant data, weather data and internal pressure variation, 5 an internal pressure variation characteristic grasping unit for making internal pressure variation of a combustor into a mathematical model from the input plant data and weather data, a combustion vibration region estimating unit for applying a limiting value of the internal pressure variation 10 to the mathematical model obtained by the internal pressure variation characteristic grasping unit to obtain combustion vibration-prone to be generated region, and an outputting unit for outputting a combustion vibration region estimation result by the combustion vibration region estimating unit.